

1 I claim:

2 1. An endovascular support device suitable for implantation within a coronary  
3 or other vessel within the human body comprising a unitary member of wire-like  
4 material configured to provide a plurality of upper and lower peaks, the unitary  
5 member being capable of being compressed for delivery to an affected area of a  
6 vessel and then expanded to maintain the affected area of a vessel at a diameter  
7 larger than if the support device were not implanted.

8 2. A method of treating narrowing of coronary or peripheral vessels within  
9 humans comprising the steps of

10 providing a compressible and expandable endovascular support device,  
11 compressing the endovascular support device onto a balloon catheter,  
12 advancing the balloon catheter and endovascular support device to an  
13 affected area,

14 inflating the balloon catheter to expand the endovascular support device within  
15 the affected area to thereby prevent stenosis of at least a portion of the narrowed  
16 length of the vessel, and

17 repeating the advancing and inflating steps until a sufficient plurality of  
18 endovascular support devices have been expanded within the affected area to  
19 prevent stenosis along the narrowed length of the vessel.

20 3. A method of manufacturing an endovascular support device comprising  
21 forming a toroid from a first material,  
22 plating the toroid with a second material having higher lubricity than the first  
23 material,

24 bending the toroid to form a plurality of upper and lower peaks,  
25 stripping off the second material from the toroid, and  
26 reducing the diameter of the bent toroid to a desired size.